

BEST AVAILABLE COPY

IN THE CLAIMS:

1. (Currently amended) A method, operable in a data processing system having a plurality of processes, for performing [[a]] communication management connection, comprising the steps of:

sending a communication management request from a first process within [[the]] said plurality of processes via a communication establishment message to an adapter associated with a second process within [[the]] said plurality of processes, whrcin a private data field contains communication attributes for a plurality of communication connnections and unreliable datagram rcsolutions;

retrieving the receiving a rcply to said communication establishment request;, under control of the adapter, via the communication establishment message from the host; and

responsive to [[the]] said second process within the plurality of processes allowing [[the]] said communication management request, initiating, under control of [[the]] said adapter, multiple communication connections and unreliable datagram resolutions.

2. (Currently amended) The method as recited in claim 1, whrcin [[the]] said first process within the plurality of processes is an active side of the process.

3. (Currently amended) The method as recited in claim 1, wherein [[the]] said second process within the plurality of processes is a passive side of the process.

4. (Canceled)

5. (Currently amended) The method as recited in claim 4, wherein the first host said channel adapter is a host channel adapter.

6. (Currently amended) The method as recited in claim 4, wherein the second host said channel adapter is a destination host channel adapter.

7. (Canceled)

8. (Currently amended) The method as recited in claim 1, further comprising:
determining [[the]] that said first process within [[the]] said plurality of processes
has received a ~~multiple connections and unreliable datagram resolutions~~ reply message
from [[the]] said second process within a specified period of time;
~~passing the multiple connections and unreliable datagram resolutions~~ said reply
message to [[the]] said first process ~~within the plurality of processes~~; and
~~processing the multiple connections and unreliable datagram resolutions~~ said
reply message.

9. (Currently amended) The method as recited in claim 1, further comprising:
determining [[the]] that said first process within the plurality of processes has not
received a ~~multiple connections and unreliable datagram resolutions~~ said reply message
from [[the]] said second process within a specified period of time; and
aborting a multiple connections and unreliable datagram resolutions
communication establishment process.

10. (Currently amended) The method as recited in claim 1, further claim 8, further
comprising:
~~responsive to a multiple connections and unreliable datagram resolutions~~ said
reply message being received by [[the]] said first process ~~within the plurality of~~
processes, creating a ~~multiple connections and unreliable datagram resolutions~~
communication management message; and
~~posting the multiple connections and unreliable datagram resolutions~~ said
communication management message as a work request on a communication
management send queue associated with [[the]] said first process ~~within the plurality of~~
processes.

11. (Currently amended) The method as recited in claim 10, wherein the multiple connections and unreliable datagram resolutions said communication management message is a multiple connections and unreliable datagram resolutions "ready to use" communication management message.

12. (Currently amended) The method as recited in claim 10, further comprising:
converting, by a channel interface, the multiple connections and unreliable datagram resolutions said work request into a work queue element;
processing, by a channel adapter, [[the]] said work request; and
sending the multiple connections and unreliable datagram resolutions said communication management message to [[the]] said second process within the plurality of processes.

13. (Currently amended) A method, operable in a data processing system having a plurality of processes, for performing a establishing multiple connections, and unreliable datagram resolutions communication connection, said method comprising the steps of:
receiving a communication management sending a connection establishment request from a first process within [[the]] said plurality of processes via a communication establishment request for multiple connections and unreliable datagram resolutions message to an adapter associated with a second process within [[the]] said plurality of processes, wherein a private data field contains a connection indicator;
sending a multiple connections and unreliable datagram resolutions receiving a reply communication establishment message, to said connection establishment request; under control of the adapter, to the first process within the plurality of processes; and responsive to [[the]] said second process within the plurality of processes receiving the multiple connections and unreliable datagram resolutions reply communication establishment message from the first process within the plurality of processes approving said request, establishing multiple communication connections between [[the]] said first process within the plurality of processes and [[the]] said second process within the plurality of processes.

14. (Currently amended) The method as recited in claim 13, further comprising:
placing the multiple connections and unreliable datagram resolutions said communication establishment request message in a receive queue of a communication manager associated with [[the]] said second process within the plurality of processes; and
passing the multiple connections and unreliable datagram resolutions said communication establishment request message to [[the]] said second process within the plurality of processes.

15. (Currently amended) The method as recited in claim 13, further comprising:
posting the multiple connections and unreliable datagram resolutions a reply to said communication establishment message request as a work request on a communication management send queue associated with [[the]] said second process within the plurality of processes; and
converting [[the]] said work request into a work queue element by a channel interface.

16. (Currently amended) The method of claim 13, wherein [[the]] said multiple connections and unreliable datagram resolutions are considered established when the passive side said second process receives one of a message from at least one established connection and a "ready to use" message.

17. (Currently amended) A system, comprising:
a bus system;
a communications unit connected to [[the]] said bus system;
a memory, including a set of instructions, connected to [[the]] said bus system;
and
a processing unit connected to [[the]] said bus system, wherein [[the]] said processing unit includes at least one processor, wherein [[the]] said processing unit executes [[the]] said set of instructions to send a communication management request, via [[the]] said communications unit, from a first process within [[the]] a plurality of processes via a communication establishment message to an adapter associated with a

second process within [[the]] said plurality of processes, ~~retrieve the communication establishment request, under control of the adapter, via the communication establishment message from the host, and~~

~~responsive to [[the]] said second process within the plurality of processes allowing [[the]] said communication management request, initiates, under control of [[the]] said adapter, multiple communication connections and unreliable datagram resolutions.~~

18. (Currently amended) A system, comprising:

a bus system;

a communications unit connected to [[the]] said bus system;

a memory, including a set of instructions, connected to [[the]] said bus system;

and

a processing unit connected to [[the]] said bus system, wherein [[the]] said processing unit includes at least one processor, wherein [[the]] said processing unit executes [[the]] said set of instructions to receive a communication management send a connection establishment request, via [[the]] said communications unit, from a first process within [[the]] a plurality of processes via a communication establishment request message to an adapter associated with a second process within [[the]] said plurality of processes, sends a reply communication establishment message, under control of the adapter, to the first process within the plurality of processes, and responsive to [[the]] said second process within the plurality of processes receiving the reply communication establishment message accepting said connection establishment request from [[the]] said first process within the plurality of processes, establishes multiple communication connections and unreliable datagram resolutions between [[the]] said first process within the plurality of processes and [[the]] said second process within the plurality of processes.

19. (Currently amended) A system, operable in a data processing system having a plurality of processes, for performing a communication connection, comprising:

sending means for sending a multiple connections and unreliable datagram resolutions communication management request, containing multiple requests for

connections or unreliable datagram resolutions, from a first process within [[the]] said plurality of processes via a communication establishment message to an adapter associated with a second process within [[the]] said plurality of processes; retrieving means for retrieving the multiple connections and unreliable datagram resolutions communication establishment request, under control of the adapter, via the communication establishment message from the host; and

initiating means, responsive to [[the]] said second process within the plurality of processes allowing [[the]] said communication management request, for initiating, under control of [[the]] said adapter, multiple communication connections and unreliable datagram resolutions.

20. (Currently amended) A system, operable in a data processing system having a plurality of processes, for performing a plurality of communication connections, comprising:

receiving means for receiving a multiple connections and unreliable datagram resolutions communication management connection establishment request from a first process within [[the]] said plurality of processes via a communication establishment request message to an adapter associated with a second process within [[the]] said plurality of processes;

sending means for sending a multiple connections and unreliable datagram resolutions reply communication establishment message, under control of [[the]] said adapter, to [[the]] said first process within the plurality of processes; and

establishing means, responsive to [[the]] said second process within the plurality of processes receiving the reply said communication establishment message from [[the]] said first process within the plurality of processes, for establishing multiple communication connections and unreliable datagram resolutions between [[the]] said first process within the plurality of processes and [[the]] said second process within the plurality of processes.

21. (Currently amended) A computer program product in a computer-readable medium for performing a communication connection, comprising:

instructions for sending a ~~multiple connections and unreliable datagram resolutions~~ communication management request from a first process within [[the]] ~~and~~ a communication management request from a plurality of processes via a communication establishment message to an adapter associated with a second process within [[the]] said plurality of processes; instructions for retrieving the ~~multiple connections and unreliable datagram resolutions~~ communication establishment request, under control of the adapter, via the communication establishment message from the host; and

instructions, responsive to [[the]] said second process within the plurality of processes allowing [[the]] said communication management request, for initiating, under control of [[the]] said adapter, multiple communication connections and unreliable datagram resolutions.

22. (Currently amended) A computer program product in a computer-readable medium for performing [[a]] multiple communication connections, comprising:

instructions for receiving a ~~multiple connections and unreliable datagram resolutions~~ communication management sending a connection establishment request from a first process within [[the]] a plurality of processes via a communication establishment request message to an adapter associated with a second process within [[the]] said plurality of processes; instructions for sending a ~~multiple connections and unreliable datagram resolutions~~ reply communication establishment message, under control of the adapter, to the first process within the plurality of processes; and

instructions, responsive to [[the]] said second process within the plurality of processes receiving the reply communication accepting said connection establishment message request from [[the]] said first process within the plurality of processes, for establishing multiple communication connections ~~and unreliable datagram resolutions~~ between [[the]] said first process within the plurality of processes and [[the]] said second process within the plurality of processes.

23. (New) The method of claim 13, wherein said communications indicator contains communication attributes for a plurality of connections.

24. (New) The method of claim 13, wherein said communications indicator contains
a name of a connection group.

**This Page is Inserted by IFW Indexing and Scanning
Operations and is not part of the Official Record**

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images include but are not limited to the items checked:

- BLACK BORDERS**
- IMAGE CUT OFF AT TOP, BOTTOM OR SIDES**
- FADED TEXT OR DRAWING**
- BLURRED OR ILLEGIBLE TEXT OR DRAWING**
- SKEWED/SLANTED IMAGES**
- COLOR OR BLACK AND WHITE PHOTOGRAPHS**
- GRAY SCALE DOCUMENTS**
- LINES OR MARKS ON ORIGINAL DOCUMENT**
- REFERENCE(S) OR EXHIBIT(S) SUBMITTED ARE POOR QUALITY**
- OTHER:** _____

IMAGES ARE BEST AVAILABLE COPY.

As rescanning these documents will not correct the image problems checked, please do not report these problems to the IFW Image Problem Mailbox.